

WHAT IS CLAIMED IS:

1. A projection system comprising:
a projection lens for enlarging and projecting an image;
an optical element for reenlarging an enlarged image through the projection lens, and
reflecting the image on a predetermined position; and
a rear mirror for displaying an reflected image through the optical element on a
screen.
2. The projection system according to claim 1, wherein the optical element is a
spherical mirror.
3. The projection system according to claim 1, wherein the optical element is a
non-spherical mirror.
4. The projection system according to claim 1, wherein the optical element is
disposed at an upper portion of the projection lens.
5. The projection system according to claim 1, wherein the rear mirror is tilted at
an angle of 90 – 130 degrees from a horizontal line.

6. The projection system according to claim 1, wherein the rear mirror is tilted at an angle of 90 – 110 degrees from a horizontal line.

7. The projection system according to claim 1, wherein a tilt-angle difference between the rear mirror and the screen ranges 0 – 40 degrees.

8. The projection system according to claim 1, wherein the optical element is disposed at an upper portion between the rear mirror and the screen.

9. The projection system according to claim 1, wherein the rear mirror is a planar mirror.

10. The projection system according to claim 1, wherein the rear mirror is a spherical mirror.

11. The projection system according to claim 1, wherein the rear mirror is a non-spherical mirror.

12. A projection system comprising:
a projection lens for enlarging and projecting an image;

an optical element formed of a non-spherical mirror, reenlarging an enlarged image through the projection lens, and reflecting the image on a predetermined position; and

a rear mirror for displaying an reflected image through the optical element on a screen, the rear mirror being tilted at an angle of 90 – 130 degrees from a horizontal line.

13. The projection system according to claim 12, wherein the optical element is disposed at an upper portion of the projection lens.

14. The projection system according to claim 12, wherein the rear mirror is tilted at an angle of 90 – 110 degrees from a horizontal line.

15. The projection system according to claim 12, wherein a tilt-angle difference between the rear mirror and the screen ranges 0 – 40 degrees.

16. The projection system according to claim 12, wherein the optical element is disposed at an upper portion between the rear mirror and the screen.

17. The projection system according to claim 12, wherein the rear mirror is a planar mirror.

18. The projection system according to claim 12, wherein the rear mirror is a spherical mirror.

19. The projection system according to claim 12, wherein the rear mirror is a non-spherical mirror.